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L5 ANSWER 8 OF 21 MEDLINE DUPLICATE 3
AN 96134524 MEDLINE
DN 96134524 PubMed ID: 8527144
TI Anion-exchange **HPLC** analysis of **biotinylated oligonucleotides**.
AU De Bellis G; Invernizzi L; Debernardi S; Pergolizzi R; Luzzana M
CS Istituto di Tecnologie, Biomediche Avanzate, Segrate, Italy.
SO BIOTECHNIQUES, (1995 Aug) 19 (2) 230-4.
Journal code: 8306785. ISSN: 0736-6205.
CY United States
DT Report; (TECHNICAL REPORT)
LA English
FS Priority Journals
EM 199601
ED Entered STN: 19960220
Last Updated on STN: 19960220
Entered Medline: 19960129
AB Biotinylated **oligonucleotides** combined with streptavidin-coated magnetic beads are commonly used in current molecular biology. Their quality and the level of incorporated biotin are essential for yielding good results in either solid-phase **DNA** sequencing or solid-phase purification procedures. This paper presents a very simple analytical test using anion-exchange HPLC and avidin to ascertain the quality of biotinylated **oligonucleotides** and to predetermine their ability to bind to avidin, which is a prerequisite for functionality in some solid-phase methods.

L5 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2002 ACS

AN 1989:93111 CAPLUS

DN 110:93111

TI High-performance affinity isolation of lymphocyte membrane receptors on biotinylated antigen and avidin-coated beads

AU Phillips, T. M.; Frantz, S. C.; Babashak, J. V.; Chmielinska, J. J.

CS Med. Cent., George Washington Univ., Washington, DC, 20037, USA

SO J. Chromatogr. (1988), 458, 185-92

CODEN: JOCRAM; ISSN: 0021-9673

DT Journal

LA English

AB Isolation of lymphocyte membrane receptors can be achieved by HPLC using immobilized streptavidin as the ligand and biotinylated antigen. Activated lymphocytes were allowed to react with biotin-labeled antigen prior to harvesting. The cells were disrupted and their membranes solubilized before passing the suspension through the avidin affinity column. The biotinylated antigen acted as an efficient receptor **probe**, which helped to maintain the integrity of the receptor during the isolation procedure. The biotin also acted as the substrate that attaches to the immobilized avidin. Recovery of the bound receptor was achieved by dissocn. of the receptor from the antigen and recovery of the receptor in the effluent during